Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4   (Cancelled)

5. (Currently Amended) A system for performing start-up ~~AGC~~ <u>AFC</u> during initial cell search (ICS) by a user equipment (UE) receiver, where the ICS comprises Step 1 processing of a given sequence, comprising:

a first correlator for receiving a first stored sequence of the primary synchronization channel;

a second correlator for receiving a second stored sequence of the primary synchronization channel;

an error estimator for determining the error associated with the outputs of the first and second correlators;

a filter for selectively integrating the error estimate responsive to an initial or steady state conditions of the cell search process; and

one of a voltage controlled oscillator (VCO) and numeric controlled oscillator (NCO) for adjusting frequency responsive to the integrated error estimate.

6. (Original) The system of Claim 5 wherein the given sequence is a primary synchronization code (PSC) sequence.

7. (Currently Amended) The system of Claim 5 wherein the filter is a Proportional Integral (PI) [[PI]] filter.

8. (Original) The system of Claim 5 wherein said filter is a digital filter having a delay element of $1/(1-z^{-1})$.

Claims 9-16 (Cancelled)

17. (Currently Amended) The method of ~~claim 1~~ claim 5 wherein the frequency adjustment is numerically controlled.

18. (Currently Amended) The method of ~~claim 1~~ claim 5 wherein the frequency adjustment is voltage controlled.

Claims 19-20 (Cancelled)